EXHIBIT 1

<u>System Element Descriptions</u>

The following describes the metadata 160, then the other elements of the system 100, and finally, the elements that are external to the system 100. These elements are all described in greater detail below.

5   <u>Metadata Overview</u>

The metadata 160 includes many different types of data and information. This information can be broken down into information related to (1) the definition of the schema for the datamart 150, (2) the data needed during the extraction from the source systems 110 and loading of the datamart 150, and (3) the information used in the querying of the datamart 150 and supplying the

10   result sets. The relationships between the elements of the metadata 160 are described in greater detail below. However, the following provides brief descriptions of these elements.

The schema definitions 161 hold the definition of the schema for the datamart 150. Typically, a consultant, using the consultant computer 190, can interface with the enterprise manager 102 to define the schema definition 161 for the datamart 150. In particular, the

15   consultant can use the enterprise manager interface 192 to define a star schema for the datamart 150. This star schema is organized around the business processes of the business for which the datamart is being created. What is important is that the consultant can easily define a schema for the datamart 150 and that definition is kept in the schema definitions 161. From the schema definitions 161, not only can the tables in the datamart 150 be generated, but also the automatic

20   extraction and conversion of the data from the source systems 110 can be performed, aggregates are set up, and a query mechanism is generated.

Method and Apparatus for Creating a Well-   PATENT   Inventors: Craig D. Weissman,
Formed Database System Using a Computer   Page 14   Greg V. Walsh and Eliot L. Wegbreit
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